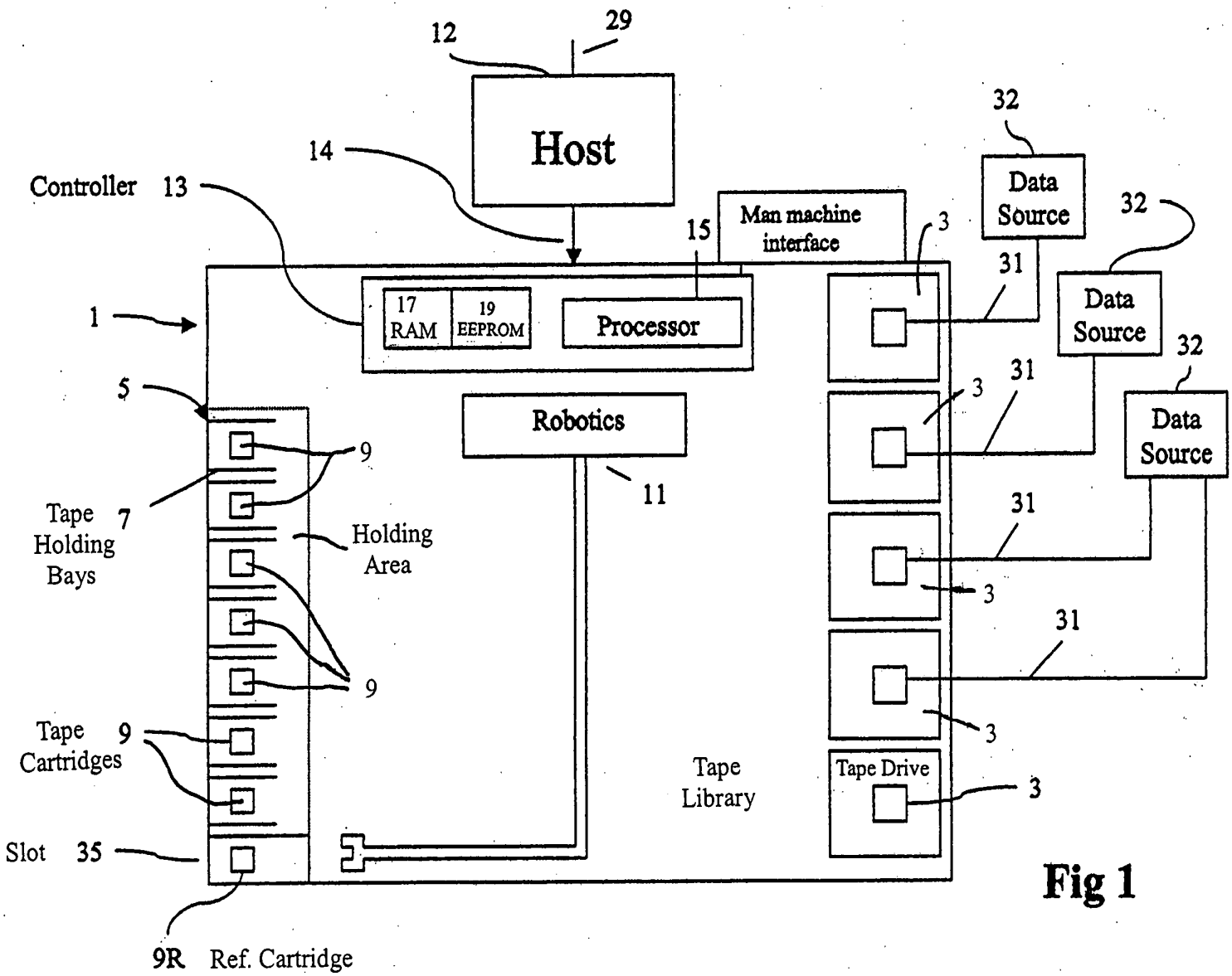
12
29
Host
14
Controller 13
15
Man machine interface
3
32
Data Source
32
Data Source
32
Data Source
31
31
31
31
1
17 RAM
19 EEPROM
Processor
5
Robotics
11
9
Tape Holding Bays 7
Holding Area
9
Tape Cartridges 9
Slot 35
9R Ref. Cartridge
Tape Library
Tape Drive
3
3
3
3

Fig 1

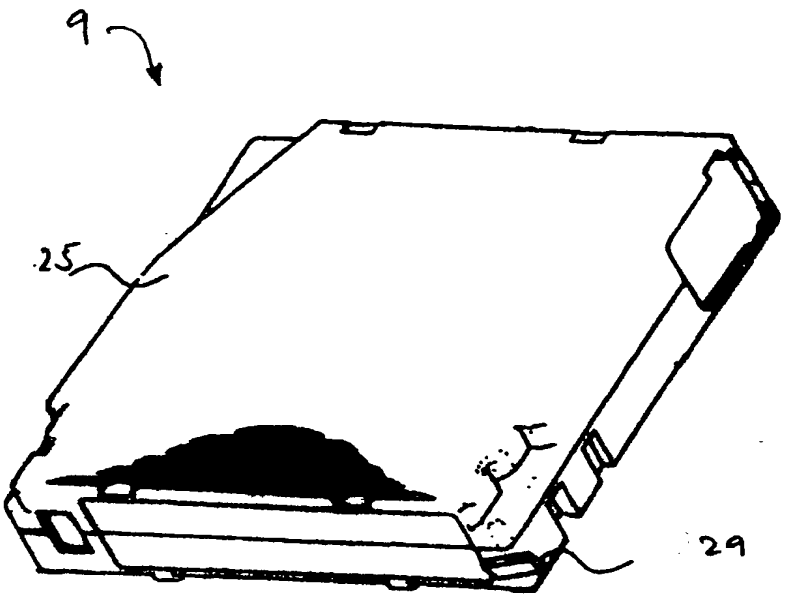

Fig 2

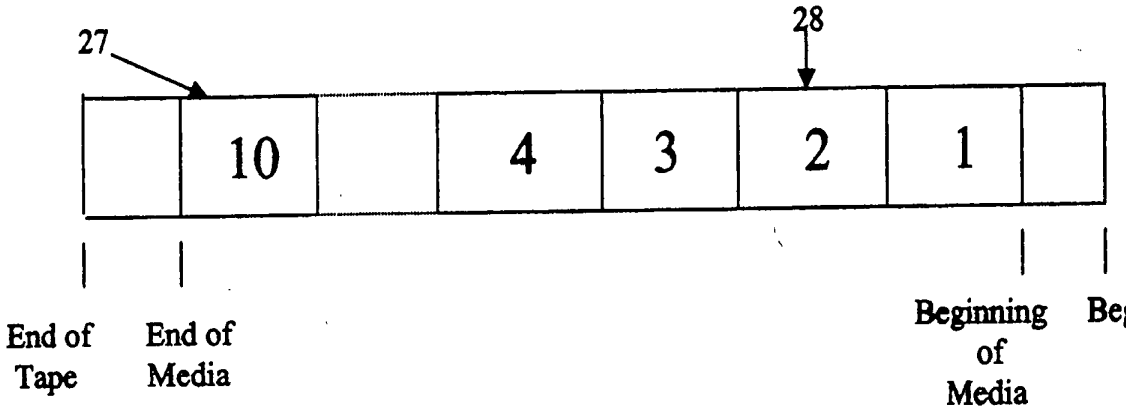
27
28
10
4
3
2
1
End of Tape
End of Media
Beginning of Media
Beginning of Tape

Fig 3

Storage Portion	No of transfer ops
1	1
2	1
3	0
4	0
.	.
.	.
.	.
10	0

37

Fig 4

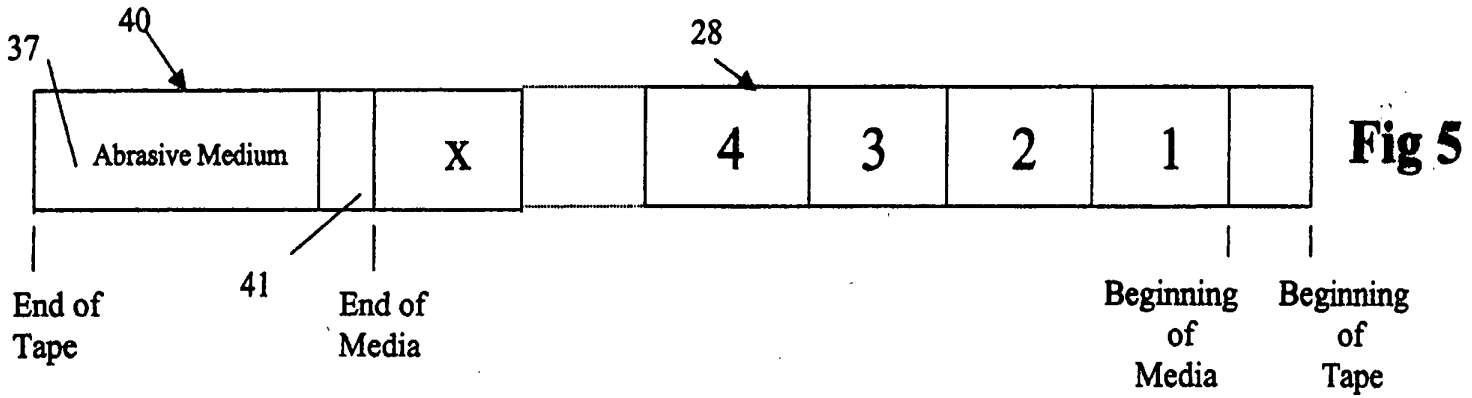

Fig 5

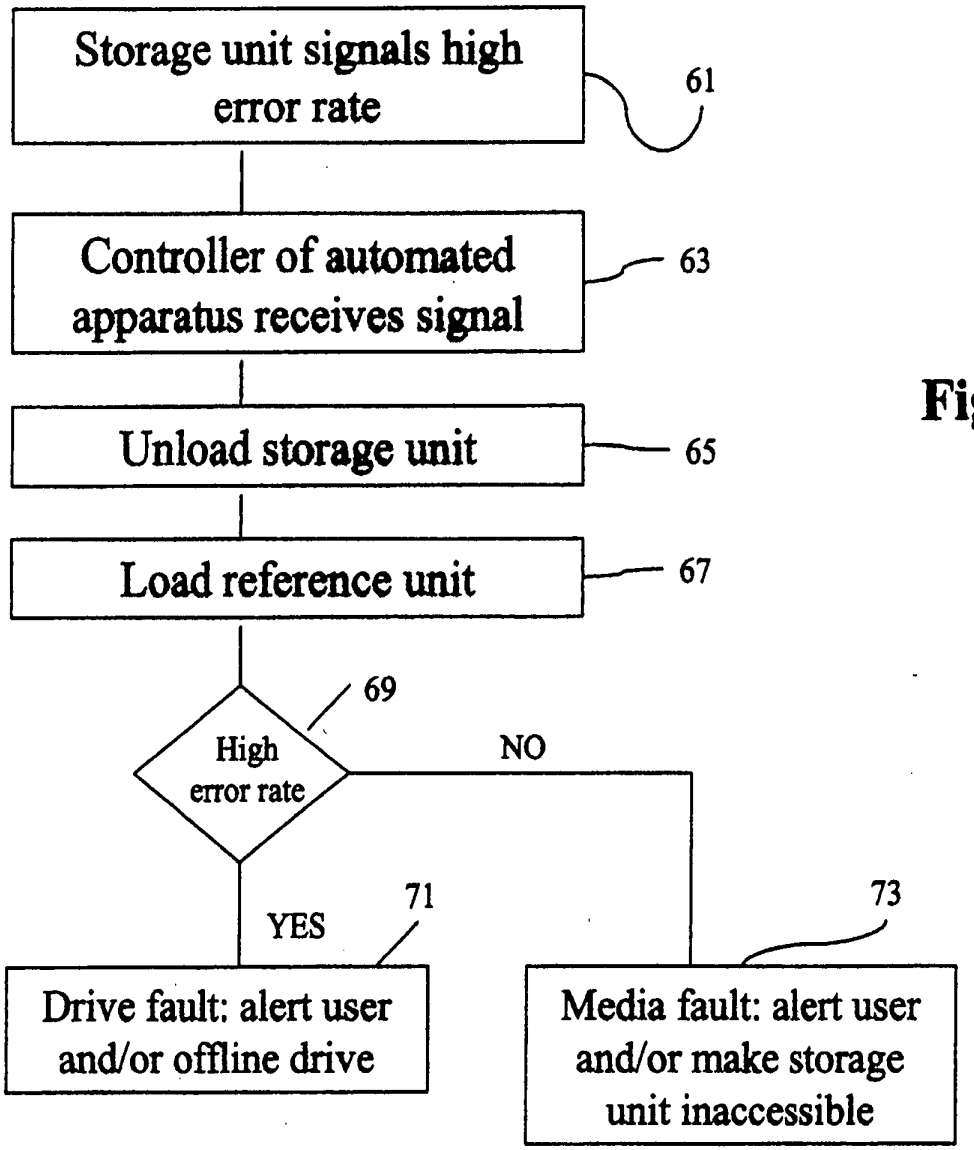
Storage unit signals high error rate
61
Controller of automated apparatus receives signal
63
Unload storage unit
65
Load reference unit
67
69
High error rate
NO
YES
71
73
Drive fault: alert user and/or offline drive
Media fault: alert user and/or make storage unit inaccessible

Fig 6

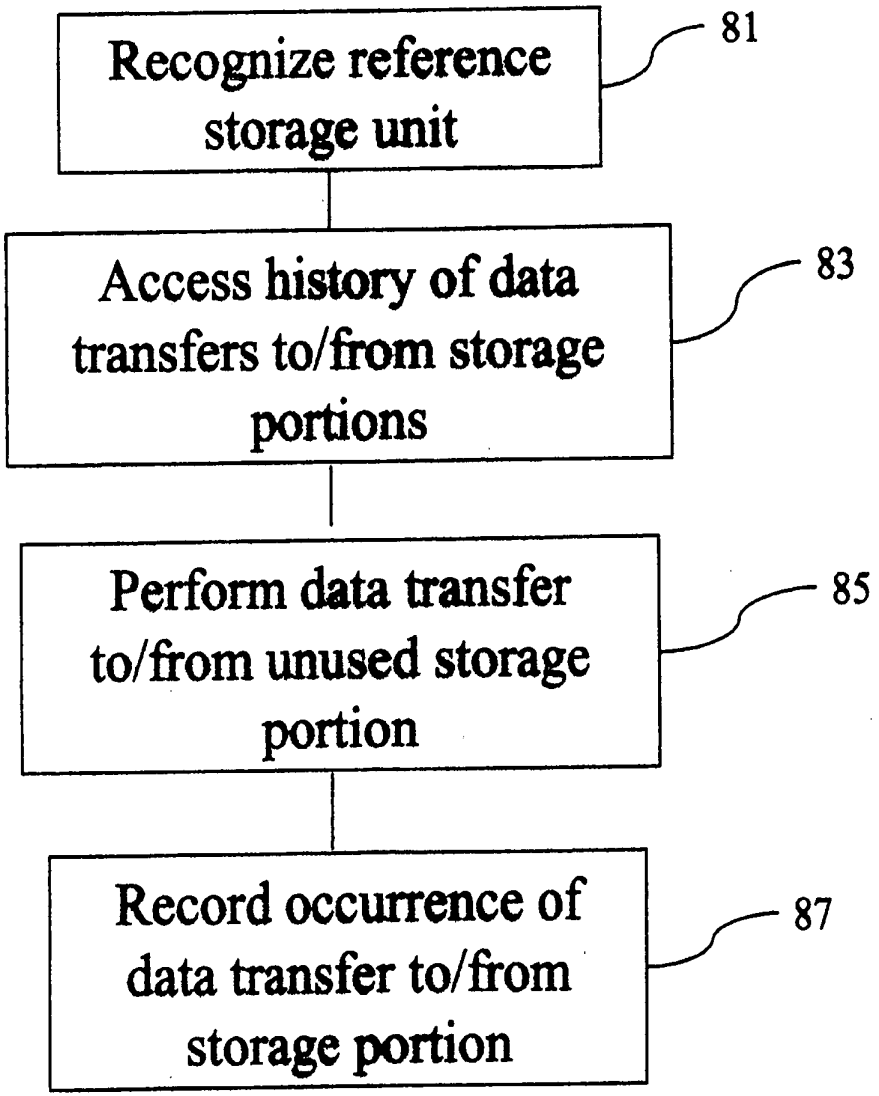
Recognize reference storage unit
81
Access history of data transfers to/from storage portions
83
Perform data transfer to/from unused storage portion
85
Record occurrence of data transfer to/from storage portion
87

Fig 7

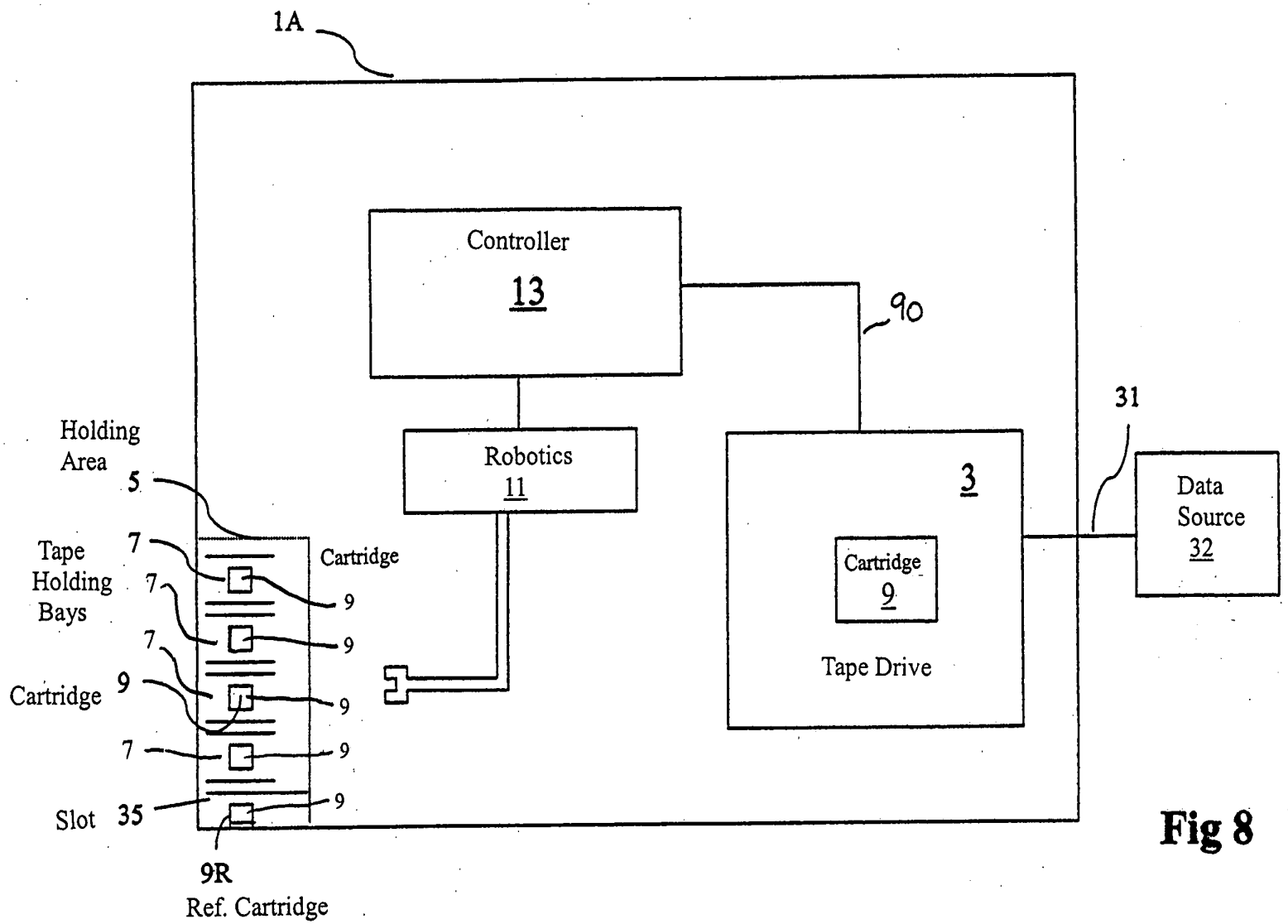
1A
Controller
13
90
31
Holding
Area
5
Robotics
11
3
Data
Source
32
Tape
Holding
Bays
7
Cartridge
9
Cartridge
9
Tape Drive
Slot 35
9R
Ref. Cartridge

Fig 8